



27th Annual Celebration of Student Research and Creative Endeavors

Session Schedule
April 18, 2024



Event Information

Doors Open at 8:30am. All presentations occur on the 4th Floor Plemmons Student Union. There is a short break between 12:00-1:00pm
Poster Competition Awards are announced at 12:45pm.

Poster Sessions include 2 sessions in the morning and 2 sessions in the afternoon.

Morning Session 1 - 9:00am -10:30am.

This session also includes the Poster Competition where Undergraduate and Graduate students were selected to participate based on reviews of their abstracts. They will present their poster to a panel of judges and the top 3 in each category will be selected.

Morning Session 2 - 10:40am -12:00pm

Afternoon Session 1 - 1:00pm - 2:30pm

Afternoon Session 2 - 2:40pm - 4:00pm

Poster boards are 4 feet by 4 feet. Numbers are assigned to posters - please look for your poster number upon arrival. Please arrive at least 10 minutes before your presentation to place your poster on the assigned board.

Oral Sessions include 2 sessions in the morning and 3 sessions in the afternoon.

Oral Session 1 - 10:00am - 11:00am

Oral Session 2 - 11:00am - 12:00pm

Oral Session 3 - 1:00pm - 2:00pm

Oral Session 4 - 2:00pm - 3:20pm

Oral presentations are 20 minutes in length allowing for at least 5 minutes for questions. Please arrive at least 10 minutes before your scheduled session in order to upload your presentation. Please stay for the entire session. Oral presentations will occur in either room 415 or 417 Plemmons Student Union.

Annual Poster Competition - 9:00-10:30am - Parkway Ballroom

	Poster Number
Graduate Student Poster Competition Finalists	
<p>Kassidy Everhart, Athletic Training Graduate Student Faculty Mentor: Alan Needle, Rehabilitation Sciences Co-Author(s): Howard JS, Skinner JW Title: PATIENT-REPORTED FUNCTION IN PATIENTS WITH CHRONIC ANKLE INSTABILITY IMPROVES FOLLOWING REHABILITATION REGARDLESS OF TRANSCRANIAL DIRECT CURRENT STIMULATION INTERVENTION.</p>	PC 1
<p>Jordynn Hellinger, Athletic Training Graduate Student Faculty Mentor: Jennifer Howard, Rehabilitation Sciences Co-Author(s): Lydia G. Stonerook, Ashley N. Marshall Title: PARTLY CLOUDY: FORECASTING PUBLIC EVIDENCE OF MENTAL HEALTH BEST PRACTICES IN THE SUN BELT CONFERENCE</p>	PC 2
<p>Leigha Henson, Biology Graduate Student Faculty Mentor: Howard Neufeld, Biology Co-Author(s): N/A Title: EFFECTS OF WARMING ON FOUR MOSS SPECIES FROM THE SOUTHERN APPALACHIAN MOUNTAINS</p>	PC 3
<p>Finley Collins, Sustainable Technology Graduate Student Faculty Mentor: James Houser, Sustainable Technology and the Built Environment Co-Author(s): N/A Title: A COMPARATIVE ANALYSIS OF TECHNOLOGY AND POLICY OF HIGH-VALUE PV RECYCLING: THE UNITED STATES VERSUS THE EUROPEAN UNION</p>	PC 4
<p>Caroline Fehlman, Geography Graduate Student Faculty Mentor: Maggie Sugg, Geography and Planning Co-Author(s): Jennifer Tyson, Shishir Shakya Title: MAPPING MATERNAL HEALTH CARE ACCESS DISPARITIES: A FINE-SCALE GEOSPATIAL ANALYSIS IN NORTH CAROLINA</p>	PC 5
<p>Justin Hites, Geography Graduate Student Faculty Mentor: Bhuwan Thapa, Geography and Planning Co-Author(s): Will Bennett, Drew Wilson Title: SPATIOTEMPORAL ANALYSIS OF TREE WINDBREAKS AND CROP LOSS FROM WIND EVENTS IN KANSAS AND NEBRASKA, USA</p>	PC 6
<p>Kristen Lysne, Geography Graduate Student Faculty Mentor: Maggie Sugg, Geography and Planning Co-Author(s): N/A Title: A SPATIAL ANALYTIC APPROACH TO MATERNAL HEALTH AND BIRTH OUTCOMES FOLLOWING HURRICANE FLORENCE (2018).</p>	PC 7

<p>Jose Picado, Exercise Science Graduate Student Faculty Mentor: Alan Needle, Public Health and Exercise Science Co-Author(s): Jennifer Howard, Jared Skinner Title: TRANSCRANIAL DIRECT CURRENT STIMULATION WITH REHABILITATIVE EXERCISES DOES NOT MODIFY NEURAL EXCITABILITY IN PATIENTS WITH CHRONIC ANKLE INSTABILITY</p>	PC 8
<p>Andrey Sanko, Exercise Science Graduate Student Faculty Mentor: Kimberly Faszcewski, Public Health and Exercise Science Co-Author(s): Meg Hopkins Title: WALKING A MILE FOR AWARENESS: EXAMINING MOTIVATION FOR CHARITY-BASED PHYSICAL ACTIVITY PROGRAMMING</p>	PC 9
<p>Stella Cybulski, Public Administration Graduate Student Faculty Mentor: Brooke Towner, Recreation Management and Physical Education Co-Author(s): Dr. Joy James Title: ENGAGEMENT, HAPPINESS, AND BUGS: BUILDING CONNECTIONS BETWEEN PHYSICAL ACTIVITY AND SCIENCE LESSONS</p>	PC 10
<p>Undergraduate Student Poster Competition Finalists</p>	
<p>Chris Lucero, Geography Undergraduate Student Faculty Mentor: Maggie Sugg, Geography and Planning Co-Author(s): Dr. Maggie Sugg, Sophie Ryan Title: MAPPING THE EPIDEMIC OF ISOLATION: SPATIAL DISPARITIES IN LONELINESS AMONG US ADOLESCENTS AND YOUNG ADULTS (2016-2022)</p>	PC 11
<p>Ben Pluska, Sustainable Development Undergraduate Student Faculty Mentor: Rebecca Witter, Sustainable Development Co-Author(s): n/a Title: ECOLOGY BY A DIFFERENT SOUND: TROUBLING CONTAINMENT AMIDST REVERBERATING INJUSTICE</p>	PC 12
<p>Kathleen Plesh, Geology Undergraduate Student Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences Co-Author(s): Josef Stiegler Title: FILETS OF FISH: SEGMENTING COMPUTERIZED TOMOGRAPHY (CT) SCANS TO MORPHOLOGICALLY DESCRIBE RAY-FINNED FISH (ACTINOPTERYGII) FROM THE SNYDER QUARRY IN THE LATE TRIASSIC CHINLE FORMATION IN NORTHERN NEW MEXICO</p>	PC 13
<p>Molly Donahue, Psychology Undergraduate Student Faculty Mentor: Amy Galloway, Psychology Co-Author(s): Camden Hutchinson, Taylor Martin Title: EXPLORING THE INFLUENCE OF CAREGIVER PRAISE ON INFANT FEEDING BEHAVIOR: A WINDOW INTO DEVELOPING EATING PATTERNS</p>	PC 14

<p>Ian Berry, Geography Undergraduate Student Faculty Mentor: Dennis Guignet, Economics Co-Author(s): Dr. Maggie Sugg Title: UNDERSTANDING THE INTERSECTION OF NEIGHBORHOOD FACTORS AND PROXIMITY TO CHEMICAL FACILITIES: IMPLICATIONS FOR POLICY AND EQUITY</p>	PC 15
<p>Matthew Mair, Economics Undergraduate Student Faculty Mentor: John Whitehead, Economics Co-Author(s): Tatyana Ruseva, Greg Howard Title: FACTORS THAT IMPACT FARMER WILLINGNESS TO PARTICIPATE IN CONSERVATION PROGRAMS IN THE TAR-PAMLICO WATERSHED OF NORTH CAROLINA</p>	PC 16
<p>Elizabeth Moeller, Sociology Undergraduate Student Faculty Mentor: Ellen Lamont, Sociology Co-Author(s): Dr. Johnnie Lotesta, second reader Title: "NOT EXCITED TO BE A TEACHER": HOW DO TEACHERS RESPOND TO AND NAVIGATE POLICIES GOVERNING THE EXPRESSION OF GENDER IDENTITY AND SEXUALITY IN SCHOOLS, AND HOW DOES IT IMPACT THEM?</p>	PC 17
<p>Mabry Watson, Exercise Science Undergraduate Student Faculty Mentor: Alan Needle, Public Health and Exercise Science Co-Author(s): Howard JS, Skinner JW Title: TRANSCRANIAL DIRECT CURRENT STIMULATION OVER THE MOTOR OR FRONTAL CORTEX DOES NOT IMPROVE DUAL TASK REACTION TIMES OR COGNITIVE PERFORMANCE IN INDIVIDUALS WITH CHRONIC ANKLE INSTABILITY</p>	PC 18
<p>Kiara Neilsen, Biology Undergraduate Student Faculty Mentor: Rachel Bleich, Biology Co-Author(s): Ally Lawing Title: INTERACTIONS OF BACTERIA IN AEROBIC CONDITIONS AFTER CALORIC RESTRICTION IN ESTABLISHED RAT MODEL</p>	PC 19
<p>Teddy Shepherd, Chemistry Undergraduate Student Faculty Mentor: Brooke Christian, Chemistry and Fermentation Sciences Co-Author(s): N/A Title: STABILIZATION OF ALCOHOL DEHYDRONGENASE IN SOLUTION BY A NOVEL TARDIGRADE PROTEIN</p>	PC 20

Morning Session Poster Presentations 9:00-10:30am Parkway Ballroom

<p>Maria Iveth Carballo Funes, Biology Undergraduate Student Faculty Mentor: Andrew Bellemer, Biology Co-Author(s): N/A Title: INVESTIGATING MOLECULAR MECHANISMS OF THERAPEUTIC TREATMENTS FOR EPILEPSY IN DROSOPHILA MELANOGASTER</p>	21
<p>Katrina Fortier, Biology Graduate Student Faculty Mentor: Cara Fiore, Biology Co-Author(s): Alicia Reigel², Amy Apprill³, Cole Easson⁴, (2) Appalachian State University, Boone, United States, (3) Woods Hole Oceanographic Institution, Marine Chemistry & Geochemistry, Woods Hole, United States, (4) Middle Tennessee State University, Murfreesboro, United States Title: THE HIDDEN INFLUENCE OF SPONGES ON CORAL REEF HEALTH: A STUDY ON DOM AND BACTERIOPLANKTON COMMUNITIES</p>	22
<p>Sarah Mann, Biology Undergraduate Student Faculty Mentor: Rachel Bleich, Biology Co-Author(s): Ally Lawing, Dom Diprospero Title: E. COLI & E. FAECALIS BIOFILM FORMATION AND RELATIVE CONTRIBUTION TO GUT INFLAMMATION OBSERVED IN IBD.</p>	23
<p>Bailey Sauls, Biology Graduate Student Faculty Mentor: Jon Davenport, Biology Co-Author(s): Dr. Benjamin Fitzpatrick Title: DETERMINING DIETARY NICHE OVERLAP OF TWO WOODLAND SALAMANDERS USING STABLE ISOTOPES IN GREAT SMOKY MOUNTAINS NATIONAL PARK.</p>	24
<p>Lindsey Stack, Biology Undergraduate Student Faculty Mentor: Eduardo de Campos, Chemistry and Fermentation Sciences Co-Author(s): NA Title: A PILOT STUDY OF THE ANALYSIS OF DESIGNER BENZODIAZEPINES IN SYNTHETIC ORAL FLUID AND URINE USING LATERAL FLOW IMMUNOASSAY TESTS</p>	25
<p>Seleem Al Horani, Chemistry Undergraduate Student Faculty Mentor: Petia Bobadova, Chemistry and Fermentation Sciences Co-Author(s): Masa Al Horani Title: COMPUTATIONAL MODELING OF A SERIES OF UNSYMMETRIC BIS(BF₂) BODIPYS: BOPYPYS</p>	26
<p>Dehlia Lang, Chemistry Undergraduate Student Faculty Mentor: Eduardo de Campos, Chemistry and Fermentation Sciences Co-Author(s): n/a Title: DEVELOPMENT AND VALIDATION OF A GC-MS/MS METHOD FOR THE ANALYSIS OF DELTA-8-THC IN COMMERCIAL OIL SAMPLES</p>	27
<p>Jack McKeon, Chemistry Undergraduate Student Faculty Mentor: Jefferson Bates, Chemistry and Fermentation Sciences Co-Author(s): Gary Guillet Title: ELECTRONIC STRUCTURE STUDIES OF A TRI-FERROUS EXTENDED METAL</p>	28

ATOM CHAIN COMPLEX	
<p>Kat Provost, Chemistry Undergraduate Student Faculty Mentor: Micheal Reddish, Chemistry and Fermentation Sciences Co-Author(s): N/A Title: DEVELOPMENT OF AN OPTIMIZED PROTOCOL FOR THE EXPRESSION AND PURIFICATION OF RECOMBINANT HUMAN ADRENODOXIN IN ESCHERICHIA COLI</p>	29
<p>George Hotelling, Environmental Science Undergraduate Student Faculty Mentor: Shea Tuberty, Biology Co-Author(s): Robert Swarthout, Nick Scrocco, Lilly Stieby, Hunter Comeford, Maggie Pipkins, Lucca Scoggins Title: EXPLORING PHOSPHORUS FLUX DYNAMICS IN THE HEADWATERS OF THE SOUTH FORK NEW RIVER</p>	30
<p>Jordan Ulmer, Environmental Science Undergraduate Student Faculty Mentor: William Armstrong, Geological and Environmental Sciences Co-Author(s): Andrew Wickert Title: ASSESSING TRENDS IN THE FLUVIAL GEOMORPHOLOGY OF ALASKA'S PROGLACIAL RIVER SYSTEMS</p>	31
<p>AG Berry, Geology Undergraduate Student Faculty Mentor: Steve Hageman, Geological and Environmental Sciences Co-Author(s): N/A Title: EXPLORING THE RELATIONSHIPS BETWEEN SHORT-TERM CHANGES IN DIATOMS (MICROSCOPIC ALGAE) AND COAL ASH CONTAMINATION WITHIN HYCO LAKE, NORTH CAROLINA</p>	32
<p>Colby Bierwirth, Geology Undergraduate Student Faculty Mentor: Cole Edwards, Geological and Environmental Sciences Co-Author(s): N/A Title: LOCATION MATTERS, OR DOES IT? TESTING THE VARIABILITY OF CARBON ISOTOPIC VALUES FROM SIMILAR AND DIFFERENT CARBONATE LITHOLOGIES: IMPLICATIONS FOR PALEOENVIRONMENTAL RECONSTRUCTIONS</p>	33
<p>Luke Rose, Geology Undergraduate Student Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences Co-Author(s): John Hancox Title: TAXONOMIC SIGNIFICANCE OF LUNGFISH (SARCOPTERYGII:DIPNOI) TOOTH PLATES IN THE LOWER TRIASSIC (OLENEKIAN) BURGERSDORP FORMATION OF DRIEFONTEIN, SOUTH AFRICA</p>	34
<p>Brenna McNamara, Psychology Undergraduate Student Faculty Mentor: Shawn Bergman, Psychology Co-Author(s): Logan Briggs, Oliver Sullivan, Samantha Plourde, Madhu Sukumar, Penelope Williams Title: LET'S GET TO WORK: ASSESSING PSYCH MAJORS' CAREER READINESS</p>	35

<p>Mariana Solanilla, Psychology Undergraduate Student Faculty Mentor: Dr. Timothy Ludwig, Psychology Co-Author(s): Jacob Leslie, Taylor Brynds, Firzana Syazania, Nicholas Rupert, Drew Sipe, Dr. Shawn Bergman Title: DART-ING TOWARDS SUCCESS: UNVEILING THE POWER OF THE DATA ANALYTICS READINESS TOOL (DART)</p>	36
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Morning Session Poster Presentations 10:40am-12:00pm Parkway Ballroom

<p>Lauren Gray, Biology Graduate Student Faculty Mentor: Matt Estep, Biology Co-Author(s): N/A Title: A GENETIC DIVERSITY ASSESSMENT OF ALLIUM TRICOCCUM POPULATIONS WITH GREAT SMOKY MOUNTAINS NATIONAL PARK USING NEXT GENERATION SNP DISCOVERY</p>	40
<p>Kate Loughran, Biology Graduate Student Faculty Mentor: Matt Estep, Biology Co-Author(s): N/A Title: SECRETS OF THE SWAMP: UNCOVERING THE GENETIC DIVERSITY OF A FEDERALLY THREATENED WETLAND SPECIES, SWAMP PINK (HELONIAS BULLATA)</p>	41
<p>Sydney Svoboda, Biology Undergraduate Student Faculty Mentor: Matt Estep, Biology Co-Author(s): N/A Title: DEVELOPMENT OF MICROSATELLITE MARKERS FOR HUPERZIA LUCIDULA THE SHINY FIRMOSS</p>	42
<p>Francois Desautels, Biology Graduate Student Faculty Mentor: Andrew Bellemer, Biology Co-Author(s): Dr. Megen Culpepper (second PI) Title: ANTICONVULSANT PROPERTIES OF LONG POLYUNSATURATED FATTY ACIDS IN DROSOPHILA MELANOGASTER SEIZURE MODEL</p>	43
<p>Sara Palega, Biology Graduate Student Faculty Mentor: Andrew Bellemer, Biology Co-Author(s): N/A Title: THE ROLE OF RNA-BINDING PROTEIN, PUMILIO, IN THE REGULATION OF NOCICEPTION</p>	44
<p>Maggie Pipkin, Biology Graduate Student Faculty Mentor: Shea Tuberty, Biology Co-Author(s): Dr. Carol Babyak, Dr. Rebecca Witter, Dr. Courtney Woods, Sherri White-Williamson, Danielle Koonce, Dr. Virginia T. Guidry, Dr. Joyce K. Hargrove, Kennedy Holt, Christian Felipe Title: ASSESSING CUMULATIVE ENVIRONMENTAL HARMS ON SURFACE AND DRINKING WATER QUALITY IN SAMPSON COUNTY, NC</p>	45

Ethan Furr, Biology Undergraduate Student Faculty Mentor: Jon Davenport, Biology Co-Author(s): Carson Scott Title: Stream Salamander (genus Desmognathus) Distributions Along Southern Appalachian Headwater Streams	46
Lindsey Pleasant, Biology Undergraduate Student Faculty Mentor: Mary Kinkel, Biology Co-Author(s): N/A Title: INTESTINAL MOTILITY GENE EXPRESSION MAPPING IN ZEBRAFISH	47
Carson Scott, Biology Undergraduate Student Faculty Mentor: Jon Davenport, Biology Co-Author(s): Ethan Furr Title: STREAM SALAMNDER (GENUS DESMOGNATHUS DISTRIBUTIONS ALONG SOUTHERN APPALACHIAN HEADWATER STREAMS	48
Harper Bennett, Chemistry Undergraduate Student Faculty Mentor: Brooke Christian, Chemistry and Fermentation Sciences Co-Author(s): Erick Francisco, Brooke Christian Title: PURIFICATION AND CHARACTERIZATION OF NOVEL ALCOHOL DEHYDROGENASE FROM COMMENSALIBACTER INTESTINI	49
Audrey Gay, Chemistry Undergraduate Student Faculty Mentor: Jennifer Cecile, Chemistry and Fermentation Sciences Co-Author(s): Dr. Amanda Howell Title: OPENING GATES IN INTRODUCTORY CHEMISTRY WITH SUPPORT COURSE INTERVENTION	50
Elliana Proctor, Chemistry Undergraduate Student Faculty Mentor: Micheal Reddish, Chemistry and Fermentation Sciences Co-Author(s): N/A Title: INVESTIGATING DEHYDROERGOSTEROL AND NBD-CHOLESTEROL AS ACCESSIBLE SUBSTRATE MIMICS FOR CYTOCHROME P450 27A1	51
Kendyl Allen, Exercise Science Undergraduate Student Faculty Mentor: Jared Skinner, Public Health and Exercise Science Co-Author(s): Matthew Mitarotondo Kelsie Bryant Hannah Collins Title: ACTION OBSERVATION FOR THE IMPROVEMENT OF FREEZING OF GAIT IN PARKINSON'S DISEASE	52
Natalie Thulien, Exercise Science Graduate Student Faculty Mentor: Jared Skinner, Public Health and Exercise Science Co-Author(s): N/A Title: SLEEP ARCHITECTURE AND NOCTURNAL BLOOD PRESSURE IN FIRST RESPONDER SPOUSES	53
Ansley Patton, Exercise Science Undergraduate Student Faculty Mentor: Dr. Jared Skinner, Public Health and Exercise Science Co-Author(s): Natalien Thulien, Dr.Scott Collier Title: ACUTE EFFECTS OF EXERCISE ON AUTONOMIC FUNCTION IN PARKINSON'S	54

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Breanna Gibson, Exercise Science Undergraduate Student Faculty Mentor: Jared Skinner, Public Health and Exercise Science Co-Author(s): Olivia Chapman, Jared Skinner Title: EFFECTS OF RESISTANCE TRAINING ON FATIGUE LEVELS THROUGHOUT THE MENSTRUAL CYCLE	55
Olivia Chapman, Exercise Science Undergraduate Student Faculty Mentor: Jared Skinner, Public Health and Exercise Science Co-Author(s): N/A Title: THE BENEFITS OF A DYNAMIC WARMUP FOR THE EQUESTRIAN ATHLETE DURING COLD TEMPERATURES	56
Katie Asbill, Exercise Science Undergraduate Student Faculty Mentor: Kimberly Fasczewski, Public Health and Exercise Science Co-Author(s): Andrey Sanko Chris Wing Title: GETTING PEOPLE MOVING: THE DEVELOPMENT OF A PHYSICAL ACTIVITY PROGRAM FOR INDIVIDUALS WITH PARKINSON'S DISEASE	57
Emmaline Denton, Exercise Science Undergraduate Student Faculty Mentor: Rebecca Battista, Public Health and Exercise Science Co-Author(s): N/A Title: ADOLESCENTS' PERCEPTION OF PARENTAL SUPPORT FOR ENGAGEMENT IN PHYSICAL ACTIVITY	58
Seth Overton, Public Health Undergraduate Student Faculty Mentor: Christopher Seitz, Public Health and Exercise Science Co-Author(s): N/A Title: AN EXPLORATORY STUDY OF THE TYPES OF ASSIGNMENTS THAT PROFESSORS USE TO TEACH UNDERGRADUATE EPIDEMIOLOGY	59
Anna Carroll, Business Administration Undergraduate Student Faculty Mentor: Dennis Guignet, Economics Co-Author(s): n/a Title: How much is too much? Student housing in Boone, NC	60
Hermès Henry, Computer Science Undergraduate Student Faculty Mentor: Mark Hills, Computer Science Co-Author(s): N/A Title: EXPLORING MENTAL STATES: USING EEG TECHNOLOGY TO ANALYZE THE BRAIN	61
William Pearson, Geography Graduate Student Faculty Mentor: Buwan Thapa, Geography and Planning Co-Author(s): Patrick Freeman Title: SPATIOTEMPORAL ANALYSIS OF WIND-RELATED CROP LOSS IN THE MIDWEST, USA	62

<p>Ashley Mallare, Public Health Undergraduate Student Faculty Mentor: Maggie Sugg, Geography and Planning Co-Author(s): Ian Berry, Emma Getz, Arden McKee Title: ECO-ANXIETY AMONG YOUTH IN RESPONSE TO THE CLIMATE CRISIS: A THEMATIC ANALYSIS</p>	63
<p>Sarah Widderich, Political Science Graduate Student Faculty Mentor: Bhuwan Thapa, Geography and Planning Co-Author(s): N/A Title: ACCESSIBLE BUILDABLE SPACE: CASE STUDY IN BOONE AND WATAUGA COUNTY</p>	64
<p>Emma Ferm, Environmental Science Undergraduate Student Faculty Mentor: Sarah Evans, Geological and Environmental Sciences Co-Author(s): Sarah E. Godsey, Clara Chew, Key Hatch, Brandon Yokeley, Rachel Harris, Noah Caldwell, Benjamin Crosby, and Aaron Mohammed Title: QUANTIFYING VARIATIONS IN SOIL MOISTURE ACROSS ARCTIC HILLSLOPES UNDERLAIN BY CONTINUOUS PERMAFROST</p>	65
<p>Rachel Harris, Environmental Science Undergraduate Student Faculty Mentor: Sarah Evans, Geological and Environmental Sciences Co-Author(s): Dr. Scott Marshall, Dr. Sarah Godsey, Dr. Andrew Parsekian, Emma Ferm, Key Hatch, Noah Caldwell, Brandon Yokeley, Dr. Clara Chew, Dr. Benjamin Crosby Title: USING GROUND-PENETRATING RADAR TO INVESTIGATE THE CONTROL OF GROUND ICE ON CONTINUOUS PERMAFROST HILLSLOPE HYDROLOGY</p>	66
<p>Joshua Crouch, Geology Undergraduate Student Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences Co-Author(s): N/A Title: COPROLITE ICHNOTAXA FROM THE REVUELTIAN (UPPER TRIASSIC: NORIAN) AGE HOMESTEAD SITE, GARITA CREEK FORMATION, EAST-CENTRAL NEW MEXICO</p>	67
<p>Renee Dunn, Geology Undergraduate Student Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences Co-Author(s): N/A Title: SUPER CHARGER HEAVEN: A FRESHWATER MICROVERTEBRATE ASSEMBLAGE FROM THE UPPER CRETACEOUS WILLIAMS FORK FORMATION OF NORTHWESTERN COLORADO</p>	68
<p>Alec Quinn, Geology Undergraduate Student Faculty Mentor: Andrew Heckert, Geological and Environmental Sciences Co-Author(s): N/A Title: ANALYZING RECONSTRUCTIONS OF THE GIANT FOSSIL SHARK OTODUS MEGALODON, AND PROPOSING A NEW PROCESS BEHIND "MEGALODON" EXHIBIT DESIGN.</p>	69
<p>Ricky Carland, Geology Undergraduate Student Faculty Mentor: Sarah Carmichael, Geological and Environmental Sciences Co-Author(s): Diana Boyer Title: HUNTING FOR THE HANGENBERG CRISIS USING A MULTIPROXY APPROACH IN THE GREAT BASIN OF WESTERN UTAH</p>	70

<p>Caitlin Kinnamon, Geology Undergraduate Student Faculty Mentor: Ellen Cowan, Geological and Environmental Sciences Co-Author(s): Tucker Terrell, Caitlin McCarthy, Keith C. Seramur, Scott T. Marshall Title: USING GEOPHYSICAL METHODS TO FIND HISTORIC FORT DEFIANCE</p>	71
<p>Gerald Tripp, Geology Undergraduate Student Faculty Mentor: Levine Jamie, Geological and Environmental Sciences Co-Author(s): Gabriele Casale, and Arthur J. Merschat Title: EMPLACEMENT CONDITIONS OF THE BLUE RIDGE THRUST SHEET: COMPARISON OF QUARTZ MICROSTRUCTURAL DATA FROM THE CATFACE AND IRON MOUNTAIN FAULTS, NC-VA-TN.</p>	72
<p>Maria Harbaugh, Psychology Undergraduate Student Faculty Mentor: Katie Wolsiefer, Psychology Co-Author(s): N/A Title: COMPARING THE EFFECTIVENESS OF COMPLETING A GROUP VS. INDIVIDUAL IAT AS AN IMPLICIT BIAS INTERVENTION.</p>	73
<p>India Horn, School Psychology Graduate Student Faculty Mentor: Jamie Yarbrough, Psychology Co-Author(s): Sara Hehn, Mlynn Wooden, Nicole Iturbide, and Anhminh Nguyen Title: SHADES OF DISCIPLINE: EXPLORING RACIAL DYNAMICS IN DISCIPLINARY REFERRALS</p>	74
<p>Gracie Streeval, School Psychology Graduate Student Faculty Mentor: Jamie Yarbrough, Psychology Co-Author(s): India Horn, Emily Reigard, Sara Hehn, Mlynn Wooden, Nicole Iturbide, Hannah Schulze & Anhminh Nguyen Title: THE BRAVE NEW WORLD OF AI AND ACADEMIC INTEGRITY</p>	75
<p>Key Hatch, Environmental Science Undergraduate Student Faculty Mentor: Sarah Evans, Geological and Environmental Sciences Co-Author(s): Sarah Godsey, Clara Chew, William Armstrong, Emma Ferm, Rachel Harris, Brandon Yokeley, Noah Caldwell, Benjamin Crosby, and Aaron Mohammed Title: EMPLOYING SPECTRAL SIGNATURES IN VEGETATION TO DIFFERENTIATE HYDROLOGIC FEATURES ABOVE CONTINUOUS PERMAFROST</p>	76

Oral Session Morning 10:00am - 11:00am Room 415 Plemmons Student Union

Morning Session Oral 1: 10:00-11:00am - Assigned talk 10:00am	Aidan Keaveney, Engineering Physics Graduate Student Faculty Mentor: Christopher Thaxton, Physics and Astronomy Co-Author(s): Joshua McNeill, Nick Mencis Title: MODELING THE EFFECTS OF OBJECT-INDUCED TURBULENT ENHANCEMENT ON SEAFLOOR OBJECT SCOUR AND BURIAL	10:00am	415 Plemmons Student Union
Morning Session Oral 1: 10:00-11:00am - Assigned talk 10:20am	Grant Fox, Environmental Science Undergraduate Student Faculty Mentor: Ellen Cowan, Geological and Environmental Sciences Co-Author(s): Zhen Wang, Stephanie A. Brachfeld, Avner Vengosh, Keith Seramur Title: UTILIZATION OF PARTICLE SIZE VARIABILITY AND GEOCHEMICAL SIGNATURES IN TRACKING COAL ASH RELEASE IN HYCO LAKE, NC	10:20am	415 Plemmons Student Union

Oral Session Morning 11:00am-12:00pm Room 417 Plemmons Student Union

Morning Session Oral 2: 11:00am-12:00 pm - Assigned talk 11:00am	Mackenzie Law, Business Administration Graduate Student Faculty Mentor: Carol Kline, Management Co-Author(s): Scott Gray(Appalachian State) Hin Hoarau Heemstra (Nord University) Title: ADVANCING AQUATIC LIFE THROUGH BEST TOURISM PRACTICES	11:00am	417 Plemmons Student Union
Morning Session Oral 2: 11:00am-12:00 pm - Assigned talk 11:20am	Carter Rodgers, Chemistry Undergraduate Student Faculty Mentor: Christian Wallen, Chemistry and Fermentation Sciences Co-Author(s): Petia Bobadova Title: EXPERIMENTAL AND THEORETICAL INVESTIGATIONS ON METAL-ORGANIC COMPLEXES FOR THE CAPTURE OF HYDROGEN SULFIDE	11:20am	417 Plemmons Student Union
Morning Session Oral 2: 11:00am-12:00 pm - Assigned talk 11:40am	Sabai Hartwiger, Philosophy Undergraduate Student Faculty Mentor: Rick Elmore, Philosophy and Religion Co-Author(s): N/A Title: EMILIO URANGA AND W.E.B DUBOIS: THE SORROW SONG AND ACCIDENTALITY OF MEXICAN BEING	11:40am	417 Plemmons Student Union

Afternoon Sessions Poster Presentation 1:00pm - 2:30pm Parkway Ballroom

Poster Information	Poster Number
<p>Samantha Oleschuk, Art and Visual Culture Undergraduate Student Faculty Mentor: Jody Servon, Art Co-Author(s): N/A Title: SHARING THE CREATIVE AGING IMPACT STORY: NAVIGATING BARRIERS, PURSUING SUSTAINABILITY, AND DREAMING INTO THE FUTURE</p>	80
<p>Jesse St John, Exercise Science Undergraduate Student Faculty Mentor: Christian Wallen, Chemistry and Fermentation Sciences Co-Author(s): N/A Title: EXPLORING LIGAND FRAMEWORKS FOR FUTURE CATALYSTS IN HYDROGEN SULFIDE CAPTURE IN NATURAL GAS PURIFICATION</p>	81
<p>Katie Baker, Chemistry Undergraduate Student Faculty Mentor: Christian Wallen, Chemistry and Fermentation Sciences Co-Author(s): N/A Title: SYNTHESIS OF ELECTRON-RICH METAL-ORGANIC COMPLEXES FOR HYDROGEN SULFIDE CAPTURE</p>	82
<p>Jack Chaisson, Physics Undergraduate Student Faculty Mentor: Brooke Hester, Physics and Astronomy Co-Author(s): N/A Title: ENGINEERING A SURFACE-ENHANCED RAMAN SPECTROSCOPY SETUP</p>	83
<p>Zophia Dulaney, Physics Undergraduate Student Faculty Mentor: Adam McKay, Physics and Astronomy Co-Author(s): N/A Title: MEASURING THE VOLATILE COMPOSITION OF C/2013 US10 (CATALINA) WITH NARROWBAND PHOTOMETRY AT A VARIETY OF HELIOCENTRIC DISTANCES</p>	84
<p>Joseph Heckenlaible, Physics Undergraduate Student Faculty Mentor: Brooke Hester, Physics and Astronomy Co-Author(s): N/A Title: QUANTIFYING THE THERMAL EFFECTS OF OPTICALLY TRAPPED, METALLIC NANOSHELLS</p>	85
<p>Chloe Thompson, Physics Undergraduate Student Faculty Mentor: Brooke Hester, Physics and Astronomy Co-Author(s): N/A Title: ENHANCING FOCAL PLANE PRECISION IN OPTICAL TWEEZERS THROUGH TUNABLE LENS INTEGRATION</p>	86
<p>Savannah Watson, Physics Undergraduate Student Faculty Mentor: Brooke Hester, Physics and Astronomy Co-Author(s): N/A Title: BUILDING AN OPTICAL TWEEZER</p>	87

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